



**PATENTS** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Denis E. Solomon

Serial No. 10/076,266

Filed: February 15, 2002

For: Surgical Medical Dressing

# TECH CENTER 1600/2000

#### **INFORMATION DISCLOSURE STATEMENT**

Mail Stop IDS Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure set forth in 37 C.F.R. §1.56, applicant, through the undersigned attorney, files this Information Disclosure Statement pursuant to 37 C.F.R. §1.97.

Patent No.	Inventor	Publication Date
GB 2 365 443A	Denis E. Solomon	Feb. 20, 2002
EPO 0358506	Naughton, Gali K.	Mar. 14, 1990
WO 98/56897	Abatangelo et al.	Dec. 17, 1998

Solomon D. E. (1992) The seeding of human aortic endothelial cells on the extra-cellular matrix of human umbilical vein endothelial cells. Int. J. Exp. Path 73, 491-501.

Cai J -P, Hudson S., Ye M. -W., & Chin Y. -H. (1996) The intracellular signaling pathways involved in MCP-1-stimulated T cell migration across microvascular endothelium. Cell. Immunol. 167, 269-275.

Kramer R. H., Fuh G. M., Bensch K. G. & Karasek M. A. (1985) Synthesis of extracellular matrix glycoproteins by cultured microvascular endothelial cells isolated from the dermis of neonatal and adult skin. J. Cell. Physiol. 123, 1-9.

Sontheimer R. D. (1989) Perivascular dendritic macrophages as immunobiological constituents of the dermal microvascular unit. J. Invest. Dermatol. 93, no.2, Suppl., 96S-101S.

Zhang K. & Kramer R. H. (1996) Laminin 5 deposition promotes keratinocyte motility. Exp. Cell Res. 227, 309-322.

Hansbrough J. F., Morgan J. L., Greenleaf G. E. & Bartel R. (1993) Composite grafts of human keratinocytes grown on a polyglactin mesh-cultured fibroblast dermal substitute function as a brayer skin replacement in full-thickness wounds on athymic mice. J. Burn Care & Rehab. 14, no.5, 485494.

Kangesu T., Navsaria H. A., Manek S., Fryer P. R., Leigh I. M. & Green C. J. (1993) Keratodermal grafts: the importance of dermis for the in vivo growth of cultured keratinocytes. Br. J. Plastic Surg. 46, 401- 409.

Keating A., Singer J. W., Killen P. D., Striker G., Salo A. C., Sanders J., Thomas E. D., Thoming D. & Fialkow P. J. (1982) Evidence for donor origin of the in vitro hematopoietic microenvironment following marrow transplantation in man. Nature 298, 280.

Benezra M., Vlodavsky I., Ishai-Michaeli R., Neufeld G., & Bar-Shavit R. (1993) Thrombin-induced release of active basic fibroblast growth factor-heparan sulfate complexes from subendothelial extracellular matrix. Blood 81, no.12, 3324-3331.

Normand J. & Karasek M. A. (1995) A method for the isolation and serial propagation of keratinocytes, endothelial cells, and fibroblasts from a single punch biopsy of human skin. In Vitro Cell. Dev. Biol.- Animal 31, 447455.

Hans O. Rennekampff, M.D., Verena Kiessig, and John F. Hansbrough, M.D. (1996) Current Concepts in the Development of Cultured Skin Replacements 288-295.

J. Normand and M. A. Karasek (1994) A Method for the Isolation and Serial Propagation of Keratinocytes, Endothelial Cells, and Fibroblast from a Single Punch Biopsy of Human Skin In VitroCell. Dev. Biol. 31: 447-455 June 1995.

T. Kangesu (2001) Study of dermal grafts and cultured autologous keratinocytes in an experimental model Ann. R. Cell. Jurg. Engl. 2001; 83:197-202.

James Gailit and Richard AF Clark (1994) Wound repair in the context of extracellular matrix Current Opinion in Cell Bio. 1994; 6:717-725.

M. Meuli, M. Raghunath (1997) Tops and flops using cultured epithelial autografts in children Pediatr. Surg. Int. (1997) 12:471-477.

M. Raghunath, M. Meuli (1997) Cultured epithelial autografts: diving from surgery into matrix biology, Pediatr. Surg. Int. (1997) 12:478-483.

McKay, B. Woodward, K. Wood, H.A. Navsaria, H. Hoekstra and C. Green (1994) Reconstruction of human skin from glycerol preserved allodermis and cultured keratinocyte sheets Burns (1994) Supple. 1, S19-S22.

S. Mac Neil (1994) What role does the extracellular matrix serve in skin grafting and wound healing? Burns (1994) Supple. 1, S67-S70.

Maria B. Witte, Md, Adrian Barbul, Md, FACS (1997) General Principles of Wound Healing Surg. Clinics of N. Amer. 77:3: 509-518; June 1997.

This Information Disclosure Statement is filed in accordance with 37 C.F.R. §1.97, and this statement shall not be construed as a representation that a search was made, has been made, or that the information cited above is, or is considered to be, material to patentability as defined in §1.56(b), or that no other material information, as defined in 37 C.F.R. §1.56(b), exists. Translations of the pertinent portions of foreign language patents or publications listed above are supplied if existing translations are readily available to the applicant or the applicant's attorney. A concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR §1.56(c) most knowledgeable about the content of the information, of each patent, publication, or other information listed that is not in the English language is provided either in the patent specification or in the enclosed attachment.

Respectfully submitted,

By\_

Robert C. Kain, Jr.

Reg. No./30,648

Fleit, Kain, Gibbons, Gutman, Bongini & Bianco, P.L.

750 Southeast Third Avenue

Suite 100

Ft. Lauderdale, Florida 33316-1153

Telephone:

954-768-9002

Facsimile:

954-768-0158

### **Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 15, 2005.

Robert C. Kain, Jr.

Reg. No. 30,648

\Tiger\data share\RCK\CLIENTS\MINOR\6942-01 IDS.wpd



1615

**PATENTS** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Denis E. Solomon

RECEIVED

Serial No. 10/076,266

FEB 2 5 2005

Filed: February 15, 2002

TECH CENTER 1600/2900

For: Surgical Medical Dressing

#### INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Mail Stop IDS Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please find enclosed for filing:

X Information Disclosure Statement with certificate of mailing (4 pages)

<u>X</u> Form PTO-1449 (3 pages)

<u>X</u> Copies of listed information items accompanying this Statement (22 references)

<u>X</u> Return Receipt Postcard

This Transmittal Letter is submitted in duplicate.

Respectfully submitted,

Robert C. Kain, Jr.

Reg. No. 30,648

Fleit, Kain, Gibbons, Gutman, Bongini & Bianco, P.L.

750 Southeast Third Avenue, Suite 100 Ft. Lauderdale, Florida 33316-1153

Telephone:

954-768-9002

Facsimile:

954-768-0158

File No. 6942-01

#### Certificate of Mailing

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 15, 2005.

Robert C. Kain, Jr.

Reg. No. 30,648

Use several sheets if necessary)	Docket Number (Optional) 6942-01	Application Number
Title: Surgical Medical Dressing	Applicant(s) Denis E. Solomon	
	Filing Date	Group Art Unit

# U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

# FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation YES NO
GB 2 365 443A	2/20/2002	Britain			х
EPO 0358506	3/14/1990	EPO			x
WO 98/56897	12/17/1998	PCT		·	х

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Solomon D. E. (1992) The seeding of human aortic endothelial cells on the extra-cellular matrix of human umbilical vein endothelial cells. Int. J. Exp. Path 73, 491-501.	
Cai J-P, Hudson S., Ye MW., & Chin YH. (1996) The intracellular signaling pathways involved in MCP-1-stimulated T cell migration across microvascular endothelium. Cell. Immunol. 167, 269-275.	
Kramer R. H., Fuh G. M., Bensch K. G. & Karasek M. A. (1985) Synthesis of extracellular matrix glycoproteins by cultured microvascular endothelial cells isolated from the dermis of neonatal and adult skin. J. Cell. Physiol. 123, 1-9.	
Sontheimer R. D. (1989) Perivascular dendritic macrophages as immunobiological constituents of the dermal microvascular unit. J. Invest. Dermatol. 93, no.2, Suppl., 96S-101S.	
Zhang K. & Kramer R. H. (1996) Laminin 5 deposition promotes keratinocyte motility. Exp. Cell Res. 227, 309-322.	·
Hansbrough J. F., Morgan J. L., Greenleaf G. E. & Bartel R. (1993) Composite grafts of human keratinocytes grown on a polyglactin mesh-cultured fibroblast dermal substitute function as a brayer skin replacement in full-thickness wounds on athymic mice. J. Burn Care & Rehab. 14, no.5, 485494.	
Kangesu T., Navsaria H. A., Manek S., Fryer P. R., Leigh I. M. & Green C. J. (1993) Kerato-dermal grafts: the importance of dermis for the in vivo growth of cultured keratinocytes. Br. J. Plastic Surg. 46, 401-409.	

**EXAMINER** 

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Docket Number (Optional) 6942-01	Application Number
Title: Surgical Medical Dressing	Applicant(s) Denis E. Solomon	
	Filing Date	Group Art Unit

#### **U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
						•

# FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation YES NO

# OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Keating A., Singer J. W., Killen P. D., Striker G., Salo A. C., Sanders J., Thomas E. D., Thoming D. & Fialkow P. J. (1982) Evidence for donor origin of the in vitro hematopoietic microenvironment following marrow transplantation in man. Nature 298, 280.	
	Benezra M., Vlodavsky I., Ishai-Michaeli R., Neufeld G., & Bar-Shavit R. (1993) Thrombin-induced release of active basic fibroblast growth factor-heparan sulfate complexes from subendothelial extracellular matrix. Blood 81, no.12, 3324-3331.	
	Normand J. & Karasek M. A. (1995) A method for the isolation and serial propagation of keratinocytes, endothelial cells, and fibroblasts from a single punch biopsy of human skin. In Vitro Cell. Dev. Biol Animal 31, 447455.	
4.	Hans O. Rennekampff, M.D., Verena Kiessig, and John F. Hansbrough, M.D. (1996). Current Concepts in the Development of Cultured Skin Replacements 288-295.	
0	J. Normand and M. A. Karasek (1994). A Method for the Isolation and Serial Propagation of Keratinocytes, Endothelial Cells, and Fibroblast from a Single Punch Biopsy of Human Skin In VitroCell. Dev. Biol. 31: 447-455 June 1995.	
\	T. Kangesu (2001) Study of dermal grafts and cultured autologous keratinocytes in an experimental model Ann. R. Cell. Jurg. Engl. 2001; 83:197-202.	
	James Gailit and Richard AF Clark (1994) Wound repair in the context of extracellular matrix Current Opinion in Cell Bio. 1994; 6:717-725.	

EXAMINER DATE CONSIDERED

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Docket Number (Optional) 6942-01	Application Number
Title: Surgical Medical Dressing	Applicant(s) Denis E. Solomon	
	Filing Date	Group Art Unit

# U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
			,			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation YES NO

# OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7	M. Meuli, M. Raghunath (1997) Tops and flops using cultured epithelial autografts in children Pediatr. Surg. Int. (1997) 12:471-477	
-	M. Raghunath, M. Meuli (1997) Cultured epithelial autografts: diving from surgery into matrix biology, Pediatr. Surg. Int. (1997) 12:478-483.	
	McKay, B. Woodward, K. Wood, H.A. Navsaria, H. Hoekstra and C. Green (1994) Reconstruction of human skin from glycerol preserved allodermis and cultured keratinocyte sheets Burns (1994) Supple. 1, S19-S22.	
(	S. Mac Neil (1994) What role does the extracellular matrix serve in skin grafting and wound healing? Burns (1994) Supple. 1, S67-S70.	
/	Maria B. Witte, Md, Adrian Barbul, Md, FACS (1997) General Principles of Wound Healing Surg. Clinics of N. Amer. 77:3: 509-518; June 1997.	

**EXAMINER** 

DATE CONSIDERED